

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19981	((remov\$3 disconnect\$3 replac\$3 off out) near4 (erroneous fault\$3 defect\$3 unread\$4 damag\$3 flaw\$3 error\$3 bad)) same (switch bridge)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 11:56
S2	284399	(fail adj over) failover (switch adj over) switchover redundan\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 11:56
S3	14399	(automatic\$4 autonomous\$2 dependent\$2) same ((takeover (take adj over) replac\$3 allocat\$3 assign\$4 designat\$3 assum\$4) near4 (address\$3 location))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:00
S4	33	S1 and S2 and S3 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/13 12:01
S5	284399	(fail adj over) failover (switch adj over) switchover redundan\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/14 12:21
S6	672	S5 and ((spare extra backup (back adj up) replac\$5 reserve) same (devic\$3 disk component drive) same (determin\$3 figur\$3 find discover\$3) same (unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3) same (automatic\$4 autonomous\$2 independant\$4 intelligent\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 12:47

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S7	337	S6 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 12:48
S8	3	S5 and ((spare extra backup (back adj up) replac\$5 reserve) near3 (devic\$3 disk component drive) near3 (determin\$3 figur\$3 find discover\$3) near3 (unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3) same (automatic\$4 autonomous\$2 independant\$4 intelligent\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 12:24
S9	132	S5 and ((spare extra backup (back adj up) replacement) near4 (devic\$3 disk component drive) same (determin\$3 (figur\$3 adj out) find discover\$3) same (unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3) same (automatic\$4 autonomous\$2 independant\$4 intelligent\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:09
S10	25320460	@ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 12:49
S11	91	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:02
S12	364	((automatic\$4 autonomous\$2 independant\$4 intelligent\$3) near3 (spare backup (back adj up))) and raid not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:05

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S13	248	S12 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:07
S14	719	S5 and ((spare extra backup (back adj up) replacement) near4 (devic\$3 disk component drive) same (determin\$3 (figur\$3 adj out) find discover\$3) same (unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:12
S15	402	(S14 and S10) not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:11
S16	114	S5 and ((spare extra backup (back adj up) replacement) near4 (devic\$3 disk component drive) near5(identif\$4 determin\$3 (figur\$3 adj out) find discover\$3) near5 (unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:35
S17	91	(S16 and S10) not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:14
S18	67	S5 and ((spare extra backup (back adj up) replacement) near4 (devic\$3 disk component drive) near5 (identif\$4 determin\$3 (figur\$3 adj out) find discover\$3) near5 (vacant empty unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3) near5 (address device component))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:50
S19	56	S18 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:37

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S20	54	S19 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:37
S21	10	S5 and ((spare extra backup (back adj up) replacement) near4 (devic\$3 disk component drive) near5 (identif\$4 determin\$3 (figur\$3 adj out) find discover\$3) near5 (vacant empty unus\$2 unallocat\$3 unassign\$3 fail\$3 availabl\$3) near3 (address))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 14:52
S22	10	S21 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 15:02
S23	198	(remov\$3 discard\$3) same (device disk drive) same (spare backup) same address	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/14 16:10
S24	18	((remov\$3 discard\$3) same (device disk drive) same (spare backup) same address) and raid and storage and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/17 09:16
S25	2432	((spare device disk drive) with (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) with (unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2) with address) and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:25

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S26	4975	((spare device disk drive) with (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) with (unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle) with address) and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 10:09
S27	339	S26 and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:28
S28	329	S27 and (remov\$3 abstract\$3 detach\$3 discard\$3 eliminat\$3 eras\$3 out expel\$4 extract\$3 terminat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:32
S29	154	S27 and ((remov\$3 abstract\$3 detach\$3 discard\$3 eliminat\$3 eras\$3 out expel\$4 extract\$3 terminat\$3) with (erroneous fault\$2 damaged fail\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:38
S30	15	S29 and ("709" "711" "714").class.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:35
S31	29	S27 and ((remov\$3 abstract\$3 detach\$3 discard\$3 eliminat\$3 eras\$3 out expel\$4 extract\$3 terminat\$3) near2 (erroneous fault\$2 damaged fail\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 09:39

## EAST Search History

S32	82	((spare device disk drive) near3 (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) near3 (unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle) near3 address) and @ad<="20031208" and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 10:53
S33	13	((spare extra (back adj up) backup) near3 (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) near3 (disconnect\$3 unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle) near3 (location address)) and @ad<="20031208" and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 18:12
S34	416	((spare extra (back adj up) backup) same raid) and ((device disk drive) near4 (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) near3 (disconnect\$3 unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle)) and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 18:16
S35	489	((spare extra (back adj up) backup) with raid) and ((device disk drive) with (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) with (disconnect\$3 unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle)) and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 18:17

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S36	105	((spare extra (back adj up) backup) with raid) same ((device disk drive) with (determin\$3 acquir\$3 find\$3 figur\$3 tak\$3 us\$3 detect\$3 check establish\$3 obtain\$3 assign\$3 discover\$3 assum\$3 adapt\$3 select\$3 utiliz\$3) with (disconnect\$3 unassign\$3 unallocat\$3 vacant empty unus\$2 remov\$3 unmark\$3 void fault\$2 unoccup\$3 available extra idle)) and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/17 18:17
S37	19258	(714/4 714/6 714/7 707/202 709/223 709/224 709/226).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 09:44
S38	40	S37 and ((allocat\$ or reallocat\$ or re-allocat\$ or arbitrat\$) same address same (spare or extra or backup or back-up or fail)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 09:46
S39	29	S38 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/18 09:46
S40	2	"6622257".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/18 10:37
S41	19258	(714/4 714/6 714/7 707/202 709/223 709/224 709/226).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/19 09:49

## EAST Search History

S42	40	S41 and ((allocat\$ or reallocat\$ or re-allocat\$ or arbitrat\$) same address same (spare or extra or backup or back-up or fail)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:49
S43	29	S42 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:49
S44	17	S43 and switch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 09:50
S45	18	S43 and (switch swap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:03
S46	235	(control\$3 with (switch\$3 swap\$4) with (fail\$3 damag\$4 corrupt\$3 erroneous) with (in out connect\$3 disconnect\$3 replac\$3 to from remov\$3 insert\$3)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:07
S47	138	S46 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:07
S48	0	((control\$3 with (switch\$3 swap\$4) with (fail\$3 damag\$4 corrupt\$3 erroneous) with (in out connect\$3 disconnect\$3 replac\$3 to from remov\$3 insert\$3)) same (address location) same (spare extra backup back-up (back adj up))) and raid and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:14

## EAST Search History

S49	5	((control\$3 with (switch\$3 swap\$4) with (fail\$3 damag\$4 corrupt\$3 erroneous) with (in out connect\$3 disconnect\$3 replac\$3 to from remov\$3 insert\$3)) same (address location)) and raid and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:10
S50	13	((control\$3 same (switch\$3 swap\$4) same (fail\$3 damag\$4 corrupt\$3 erroneous) same (in out connect\$3 disconnect\$3 replac\$3 to from remov\$3 insert\$3)) same (address location) same (spare extra backup back-up (back adj up))) and raid and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/19 10:15
S51	11	((maximum limit\$3 finite absolute predetermin\$3 definite exact fixed restrict\$3) near4 (address space location)) with ((spare extra backup back-up) near4 (device disk driv\$2)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:51
S52	3	S51 and @ad<="20030812"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:14
S53	260	((maximum limit\$3 finite absolute predetermin\$3 definite exact fixed restrict\$3) near4 (address)) and ((spare extra backup back-up) near4 (device disk driv\$2)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:52
S54	184	((maximum limited finite absolute definite fixed restrict\$3) near4 (address)) and ((spare extra backup back-up) near4 (device disk driv\$2)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:18
S55	131	S54 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:56

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S56	89	S55 and switch	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 09:59
S57	37	S55 and ((multipl\$2 pluralit\$3) same switch\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:00
S58	48	((maximum limited finite absolute definite fixed restrict\$3) near2 (address) with (network system) with (device disk driv\$2 storage)) and ((spare extra backup back-up) near4 (storage device disk driv\$2)) and raid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:20
S59	42	S58 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 10:20
S60	17	S59 and ("709" "707" "714" "711"). cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:36
S61	19303	714/4,6,7.ccls. 707/202.ccls. 709/223,224,226.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:39
S62	20	S54 and ((raid) and ((spare fail) same (address adj space)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:02

## EAST Search History

S63	9	S62 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:03
S64	10	("7127633" "7069468" "7043663" "5991852" "6895467").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:46
S65	14	S61 and ((raid) and ((spare fail) same (address adj space)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 12:02
S66	10	S64 and @ad<="20031208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 13:06